

Curriculum Vitae
Thuc-Quyen Nguyen

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Chemistry and Biochemistry Department
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APPOINTMENT

- 07/18 – Present** **Director**
Center for Polymers and Organic Solids (CPOS)
University of California, Santa Barbara
- 07/12 – Present** **Professor**
Department of Chemistry and Biochemistry
University of California, Santa Barbara
- 07/10 – 07/12** **Associate Professor**
Department of Chemistry and Biochemistry
University of California, Santa Barbara
- 07/04 – 07/10** **Assistant Professor**
Department of Chemistry and Biochemistry
University of California, Santa Barbara
- 09/01 – 06/04** **Research Associate**
Chemistry Department and Nanocenter, Columbia University
Research Interests: Organic semiconducting materials for
molecular electronics and optoelectronic devices; Self-assembly.
Advisors: Prof. Louis E. Brus and Prof. Colin Nuckolls

EDUCATION

- 01/99 - 06/01** **Ph.D. in Physical Chemistry**
University of California, Los Angeles
Thesis: Controlling Interchain Interactions in Conjugated
Polymers: the Studies of Physical and Electronic Properties of
PPV-Derivatives for Plastic Optoelectronic Devices
Advisor: Prof. Benjamin J. Schwartz
- 01/98 - 12/98** **M.S. in Physical Chemistry**
University of California, Los Angeles
- 09/95 - 12/97** **B.S. in Chemistry (Cum Laude)**
University of California, Los Angeles

09/93 - 08/95 **Associate of Science**
Santa Monica College

HONORS AND AWARDS

- 2021 Women in Materials Science by Advanced Materials
- 2020 The Stanford University's 2020 list of the World Top 2% Highly Cited Scientists
- 2020 UCSB Outstanding Graduate Student Mentor Award
- 2019 Fellow of the American Association for the Advancement of Science (AAAS)
- 2019 The World's Most Influential Scientific Minds; Top 1% Highly Cited Researchers in Cross-Field by Clarivate Analytics
- 2019 Hall of Fame, Advanced Materials
- 2019 Beaufort Visiting Scholar, St John's College, Cambridge University
- 2019 Visiting Professor, Linkoping University, Sweden
- 2018 The World's Most Influential Scientific Minds; Top 1% Highly Cited Researchers in Materials Science by Clarivate Analytics
- 2017 The World's Most Influential Scientific Minds; Top 1% Highly Cited Researchers in Materials Science by Clarivate Analytics
- 2017 Vietnamese Creative Gold Book (Sách vàng sáng tạo Việt Nam)
- 2016 Fellow of the Royal Society of Chemistry
- 2016 The World's Most Influential Scientific Minds; Top 1% Highly Cited Researchers in Materials Science by Thomson Reuters
- 2015 The World's Most Influential Scientific Minds; Top 1% Highly Cited Researchers in Materials Science by Thomson Reuters
- 2015 Humboldt Research Award for Senior Scientists
- 2015 Visiting Professor, Kyoto Institute of Technology, Japan
- 2014 Among 14 Scientists in the US selected by the National Academy of Science to participate in the Writer's Retreat, the Science & Entertainment Exchange
- 2014 – 2016 Visiting Professor, King Abdulaziz University, Saudi Arabia
- 2013 Visiting Professor, Nanyang Technological University, Singapore
- 2010 NSF American Competitiveness and Innovation (ACI) Fellows
- 2009 Alfred P. Sloan Foundation Research Fellow
- 2009 Keynote Speaker at the UCSB Women of Color in Academia
- 2008 NSF Division of Materials Research, Distinguish Lecture

2008	Camille Dreyfus Teacher Scholar Award
2007	Harold J. Plous Memorial Award and Lectureship, one of the UCSB's two most prestigious faculty honors.
2006	NSF Faculty Early Career Development Award
2006	Academic Outreach to the Community Recognition honored by the UCSB and Santa Barbara County
2005	Office of Naval Research Young Investigator Award
2001	National Research Council Award
2001	Dissertation Award for Outstanding Performance in Research in Physical Chemistry, University of California, Los Angeles
2000	President's Dissertation Award
2000	Graduate Student Award, MRS Fall 2000 Meeting
2000	Outstanding Innovative Research Award of the Advanced Materials at the International Conference on Synthetic Metals
1998	George Gregory Research Fellowship, UCLA

ADVISORY BOARDS, EDITORS, AND COMMITTEES

2021	Faculty Moderator for the ACS Bridge Program “Postdoc to Faculty” Workshop
2021 – 2024	Co-Chair, Pre-screening Committee of the VinFuture Prize
2021	Nominator for 2022 Japan Prize
2020 – Present	Co-Chair of Advisory Council of the VinFuture Prize Foundation
2020 – Present	International Advisory Board Member of <i>Advanced Materials</i> (Wiley-vch)
2020 – Present	Molecular Foundry’s Scientific Advisory Board at Lawrence Berkeley National Laboratory.
2020 – Present	Advisory Board Member of <i>Materials Advances</i> (Royal Society of Chemistry)
2020	Member of <i>Ta Quang Buu Prize</i> Committee
2020 – Present	Advisory Board Member of <i>Journal of Materials Chemistry C</i> (Royal Society of Chemistry)
2020 – Present	Advisory Board Member of <i>Chemical Physics Reviews</i> (American Institute of Physics, AIP)
2019 – Present	Scientific Advisory Board Member of the VinUniversity
2019	Member of <i>Ton Duc Thang University Prizes</i> Committee
2019 – Present	Advisory Board Member of <i>Mater</i> (Elsevier)
2019 – Present	Advisory Board Member of <i>Material Chemistry Frontiers</i> (Royal Society)

- of Chemistry)
- 2019 Member of the Wiley Young Researcher Award Committee
- 2018 – Present External Advisory Board Member of the California State University Northridge Partnerships for Research and Education in Materials (CSUN-PREM)
- 2018 – Present Scientific Advisory Board Member of the Institute of Big Data - VinGroup
- 2018 – 2019 Advisory Committee Member of the Institute for Terahertz Science and Technology, UCSB
- 2018 – Present Editorial Advisory Board of *Advanced Functional Materials*
- 2018 Member of the *Ta Quang Buu Prizes* Committee
- 2018 – 2021 Member of the *ACS Award Committee*
- 2016 Nominator for 2017 Nobel Prize in Chemistry
- 2016 – Present Advisory Board Member of the Institute of Advanced Materials at Universitat Jaume, Spain
- 2016 – Present Editorial Advisory Board Member of *ACS Energy Letters*
- 2016 – Present Advisory Editorial Board Member of *Journal of Advanced Materials and Devices*
- 2015 – Present Editorial Board Member of *ChemPlusChem*
- 2015 – Present Program Committee for the SPIE Organic Photovoltaics Conference, the SPIE Optics + Photonics Meeting
- 2015 Member of the ACS Editor Search Committee
- 2015 Nominator for 2016 Nobel Prize in Chemistry
- 2014 – Present International Advisory Board for the Electroluminescence and Organic Optoelectronics Conference
- 2013 – Present Scientific Editor of *Materials Horizons* (Royal Society of Chemistry)
- 2013 – Present Editorial Board Member of *Materials Horizons* (Royal Society of Chemistry)
- 2013 – 2016 International Advisory Board Member of the International Conference on Synthetic Metals (ICSM)
- 2012 – 2015 Editorial Board Member of *Advances in Natural Sciences: Nanoscience and Nanotechnology*
- 2010 – 2013 Advisory Board Member of *Polymer Chemistry*
- 2010 – Present International Advisory Board Member for the Functional Pi-Electron Systems Conference
- 2006 – 2018 International Advisory Committee for the International Workshop on

Functional Materials and the Advanced Materials Science and the
Nanotechnology

RESEARCH INTEREST

Understanding electronic properties of conjugated polyelectrolytes and novel organic semiconductors; controlling metal-organic interfaces in organic optoelectronic devices; molecular self-assemblies; device physics of organic solar cells, light-emitting diodes, and field-effect transistors; doping in organic semiconductors; exciton diffusion; charge generation, transport and recombination; biomaterials and bioelectronics; organic ratchets.

FUNDING

I helped raise over \$46 million in funding and among which, around \$11 million for my research group.

PUBLICATION METRICS

Google Scholar H-factor: 85
Number of citations: > 30,000

PUBLICATIONS (Total: 261 published)

BOOK CHAPTERS: Total 3

PRESENTATIONS (19 Plenary/Keynote talks, 240 invited talks, 17 contributed talks, and 9 posters)

PATENT/INVENTION (Total 11)

THESIS ADVISOR AND POSTGRADUATE-SCHOLAR SPONSOR (the past 17 years)

MS Students: (Total: 8)

PhD Students: (Total: 31)

Postdoctoral Scholars: (Total: 29)

Visiting Scientists: (Total 32)

UNDERGRADUATE RESEARCH ADVISOR (Total: 42)

HIGH SCHOOL TEACHER AND STUDENT ADVISOR:

Woody Maxwell (Chemistry Teacher, Ventura High School, Summer 2006)
Kerim Tshimanga (High School student, Summer 2010 – Summer 2011)
William Le (Mission Vijeo High School, Summer 2018)

COLLABORATORS (in the past 5 years)

Prof. Guillermo Bazan, Departments of Chemistry & Biochemistry and Materials, UCSB
Prof. Alan Heeger, Departments of Physics and Materials, UCSB
Prof. Bradley Chmelka, Department of Chemical Engineering, UCSB
Prof. Paul W. M. Blom, Max Planck Institute for Polymer Research, Germany
Prof. Dieter Neher, Department of Physics, University of Potsdam, Germany
Professor Harald Ade, Department of Physics, North Carolina State University
Professor Natalie Stingelin, Imperial College (UK)
Professor Angela Sastre Santos, Department of Chemistry, Universidad Miguel Hernández de Elche, Spain
Professor Richard Friend, Cambridge University, the United Kingdom
Professor Bernard Kippelen, Georgia Tech
Professor Anna Kohler, University of Bayreuth, Germany
Professor Norbert Koch, Institute of Physics, Humboldt-University Berlin, Germany
Professor Michael Toney, Stanford University

DEPARTMENT AND UNIVERSITY SERVICES

2004 – 2012	Materials Chemistry Area Advisor
2004 – 2005	Graduate Student Recruiting Committee
2005 – Present	In charge of the Center for Polymers and Organic Solids (CPOS) device fabrication facility
2005 – 2006	Graduate Student Teaching Award Committee
2005 – 2007	Faculty Outreach Grant (FOG) Committee
2005 – 2006	Developing BS Chemistry/MS Materials Science Program with Professor Ram Seshadri
2006 – 2007	Graduate Student Corning Fellowship Committee
2006 – 2007	Materials Faculty Search Committee
2006 – 2007	New Student Convocation Ceremony
2006 – 2007	Faculty-Student Discussion
2006 – 2007	Faculty Outreach Grants (FOG) Review Committee
2006 – 2007	Honorary Faculty Marshal at the commencement exercise for the Science and Mathematics graduates
2007 – 2008	Materials Faculty Search Committee
2007 – 2008	Graduate Student Recruiting Committee
2007 – 2008	Faculty – Student Research Panel Discussion
2007 – 2008	Develop a summer workshop focused on “Faculty Mentoring” for Summer Doctoral Research Institute Fellows from the Diversity Recruitment and Retention

2007 – 2008	Help to develop a grant writing workshop for the UCSB Society of Postdoctoral Scholars titled "Preparing for the Professoriate: Postdoc Fellowships & Grant Writing"
2007 – Present	Departmental Diversity Committee
2008 – Present	Advisor for the BS Chemistry/MS Materials Science Program
2008 – 2009	Dean of Undergraduate Education Search Committee
2008 – 2009	Staff Evaluation Committee
2008 – 2010	Chancellor's Campus Sustainability Committee
2008 – 2010	Departmental Curriculum Committee
2008 – Present	Departmental TA Allocation Committee
2008 – 2009	Graduate Division's Central Fellowship Committee
2008 – 2009	WISE Diversity Award Committee
2008 – 2011	WISE Faculty Advisor
2008 – 2009	"Preparing for the Professoriate: Postdoc Fellowships & Grant Writing Workshop" for postdoc scholars
2008 – 2009	Workshop on "Faculty Mentoring" to Summer Doctoral Research Institute (SDRI) Fellows
2008 – 2009	Workshop on "Job Interview Workshop" for postdoc scholars at UCSB
2008 – 2009	Workshop on "Faculty Mentoring: International Students" to new graduate students and Graduate Division staffs
2009 – 2010	New Student Convocation Ceremony
2009 – 2010	Develop and give a workshop on "Fostering Faculty-Student Relationship" to 75 incoming graduate students at UCSB
2009 – 2010	Develop and give a workshop on "How to choose a research group" to 52 incoming chemistry graduate students
2009 – 2010	Graduate Student Recruiting Committee
2009 – 2010	Honorary Faculty Marshal at the commencement exercise for the Science and Mathematics graduates
2009 – 2010	Campus MRSEC Renewal Committee
2009 – 2010	Harold Plous Award Committee
2009 – 2010	Workshop "Academic Job Interview Workshop" for postdoc scholars at UCSB
2009 – 2010	Workshop on "How to choose a research group" to new graduate students in the Department of Chemistry and Biochemistry
2009 – 2010	Workshop on "Developing Mentoring Relationships with Faculty" at New Graduate Student Orientation
2010 – 2011	Departmental TA Allocation Committee
2010 – Present	Departmental Shop Oversight Committee
2010 – 2014	Departmental Finance Planning Committee
2010 – 2011	Workshop on "How to choose a research group" to new graduate students in the Department of Chemistry and Biochemistry
2010 – 2011	WiSE Applying to Graduate School Workshop Faculty Panelist
2011 – 2012	Graduate Student Recruiting Committee
2011 – 2012	Workshop on "How to choose a research group" to new graduate

2011– 2012	students in the Department of Chemistry and Biochemistry Faculty CAREER proposal workshop
2012– 2013	Workshop on “How to choose a research group” to new graduate students in the Department of Chemistry and Biochemistry (September 24, 2012)
2012– 2013	“How to do well in graduate school as an international student” at International Graduate Student Orientation (September 18, 2012)
2012– 2013	Panelist for “Undergraduate Research at UCSB – Discovery Day” (September 26, 2012)
2012– 2013	Working with Office of Admission to recruit international undergraduate students by preparing photos for recruitment brochure and video clip
2012– 2013	Alternative Energy Subcommittee to the Chancellor’s Sustainability Committee (CSC)
2013 – 2014	Workshop on “How to choose a research group” to new graduate students in the Department of Chemistry and Biochemistry (September 18, 2013)
2013 – 2014	Panelist for Alfred Sloan Research Workshop (July 2013)
2013 – 2014	Committee on Courses and General Education
2013 – 2014	Graduate Student Recruiting Committee
2013 – 2014	Alternative Energy Subcommittee to the Chancellor’s Sustainability Committee (CSC)
2014 – 2015	Workshop on “How to choose a research group” to new graduate students in the Department of Chemistry and Biochemistry (September 2014)
2014 – 2015	Committee on Academic Personnel
2014 – Present	Faculty Steering Committee for Gene Lucas Undergraduate Research Fund
2015 – 2016	Committee on Academic Personnel
2015 – 2016	Harold Plous Award Committee
2015 – Present	Mananya Tantiwivat Fellowship Award Committee
2016-2017	Graduate Student Recruiting Committee
2017–2019	Committee on Committees
2017–2018	Graduate Student Recruiting Committee
2017–2018	Organizing Sigma-Aldrich Lecture in Materials Chemistry 2008
2017– Present	Department Colloquium Committee
2020 – 2023	Committee on Privilege and Tenure
2020 – Present	Materials Chemistry Area Advisor
2020 – Present	Department FTE Committee
2020 – Present	Department Committee on Diversity, Equity, and Inclusion
2020 – 2021	Department 10 year-Program Review Committee

PROFESSIONAL SERVICES

- Mentor young faculty and scientists: Alejandro Briseno (Naval Research Lab, China Lake), Giulia Grancini (University of Pavia, Italy), Natalie Banerji (Department of Chemistry and Biochemistry, University of Bern), Huong Thi Nguyen (Institute for Immunology and Transfusion Medicine, University Medicine Greifswald, Germany), Manjunatha Reddy (Department of Chemistry, Lille University of Science and Technology), Chia-Kuang (Frank) Tsung (Boston College), Vicky Doan-Nguyen (Materials Science Engineering, Ohio State University), Derya Baran (Solar Center, KAUST), Hyosung Choi (Hanyang University), Vojtech Vlcek (UCSB), Michael Ford, Wei Yan (MIT)
- Section Chair, Symposium M, Spring MRS Meeting in San Francisco, April 17-21, 2006
- Judge for Best Poster Award, Regional ACS Meeting in Reno, June 25-28, 2006
- Co-organized the 1st International Workshop on Functional Materials in Halong Bay, Vietnam, December 5-9, 2006
- Served as a Chair of the poster section, Judge for the Best Poster Award, and Publishing Committee, the 1st International Workshop on Functional Materials in Halong Bay, Vietnam, December 5-9, 2006
- Section Chair, Materials Research Outreach Symposium, University of California, Santa Barbara, January 24-26, 2007
- Section Chair, Thin Film Growth, 2nd International Advanced Materials Forum for Young Scientists, Tsukuba, Japan, February 19-22, 2007
- Section Chair, Conjugated Polymer Materials and Hybrids: Synthesis, Macromolecular Assemblies, and Nanostructures, ACS Fall meeting, Boston, MA, August 19-24, 2007
- Served as the Faculty representative to work with the Partnerships for Research and Education in Materials (PREM) program at Jackson State University. The NSF-PREM program aims to increase diversity in materials research and education by forming partnerships between minority-serving colleges and universities and the NSF Division of Materials Research supported centers.
- Served in the panel review for the NSF Materials Research Science & Engineering Center, November 14-16, 2007
- Judging poster section for the UCSB-Cambridge workshop on Organic and Inorganic Electronic Materials, April 13-16, 2008
- Co-organized the 2nd International Workshop on Functional and Nano-Materials in Nha Trang, Vietnam, September 15-21, 2008
- Section Chair, Organic Photovoltaic Devices, OLEDs and Displays, the International Conference on Synthetic Metals, Porto de Laginhas, Pernambuco, Brazil, July 6-11, 2008
- Served in the SOLAR INITIATIVE panel review for the NSF Divisions of Mathematics, Materials, and Chemistry, May 6-9, 2009.
- Organized the 2nd UCSB-South China University of Technology Workshop on Organic Semiconductors, UCSB, September 20-23, 2009
- Co-organized Solar Workshop at the Fall 2009 MRS Meeting, Boston, MA November 30, 2009

- Served in the NSF DMR Research Experience for Undergraduate Site panel review, January 7-8, 2010
- Judging poster section for the 9th International Symposium on Functional Pi-Electron Systems, Atlanta, GA, May 23-28, 2010
- Section Chair, the 10th International Symposium on Functional π -Electron Systems (F- π -10), Beijing, China, from Oct 13 to 17, 2011
- Organizing Symposium H, Section Chair, Poster Judge, Fall 2011 MRS Meeting, “Organic Photovoltaic Devices and Processing”, Boston, MA, November 28 - December 2, 2011
- Organizing the first US-Vietnam Workshop in Energy Conversion, Ho Chi Minh City, Vietnam, January 29-31, 2012
- Served in the Sustainable Energy Pathways (SEP) panel review for the NSF, June 4, 2012.
- Local organizing committee, Section Chair, Poster Judge for the “International Conference on Science and Technology of Synthetic Metals 2012” (ICSM 2012), July 8-13, 2012, Atlanta, GA, USA.
- Section Chair, Physical Chemistry of Interfaces and Nanomaterials Symposium, SPIE NanoScience and Engineering Conference August 12 - 16, 2012, San Diego
- International Advisory Member for the 2012 International Conference on Flexible and Printed Electronics (ICFPE2012), September 5-8, 2012, Tokyo, Japan
- Section Chair, the NSF and ONR sponsored Workshop on “Key Scientific and Technological Issues for the Development of Next Generation Organic Solar Cells”, September 20-21, 2012, Washington DC
- Section Chair, Fall 2012 MRS meeting, Boston MA, November 26-30, 2012
- Section Chair, 6th International Workshop on Advanced Materials Science and the Nanotechnology (IWAMSN), October 30 - November 2, 2012, Ha Long Bay, Vietnam
- Editor search committee for the new ACS journal, ACS Photonics and Optoelectronics, 2013
- International Advisor Board for the “International Conference on Science and Technology of Synthetic Metals 2014” (ICSM 2014), June 30 – July 5, 2014, Turku, Finland.
- Section Chair, SPIE Conference on Organic Photovoltaics XV, San Diego August 17-21, 2014
- Program Committee and Poster Judge for the 10th International Conference on Electroluminescence and Optoelectronic Devices, August 31-September 3, 2014, Cologne, Germany
- Co-organizer Symposium on Materials for Electronics and Photonics at the 7th International Workshop on Advanced Materials Science and Nanotechnology (IWAMSN), November 2-6, 2014, Ha Long Bay, Vietnam
- Co-organizer the 12th International Symposium on Functional π -Electron Systems (F- π -12), Seattle, USA, from July 19-24, 2015
- Program Committee for the SPIE Organic Photovoltaics XVI conference, the SPIE Optics + Photonics Meeting, August 9 – 13, 2015.
- Section chair for the UCSB-SCUT Workshop on Novel Materials, Guangzhou, China, January

10-14, 2016

- Program Committee for the SPIE Organic Photovoltaics XVII conference, the SPIE Optics + Photonics Meeting, August 28 – September 1, 2016.
- Section chair and poster judge for the Zing Conference on Organic Semiconductors, Dubrovnik, Croatia, September 22-25, 2016
- Section chair and poster judge for the 11th International Conference of Electroluminescence and Optoelectronic Devices (ICEL), which was held in Raleigh, North Carolina, October 2-5, 2016.
- Section Chair, Organic & Perovskite Solar Cells Conference, Heraklion, Greece, October 19-22, 2016
- Section Chair for the Emerging Energy Technologies Summit, Melbourne, Australia, December 5-7, 2016
- Section Chair for the 13th International Symposium on Functional π -Electron Systems (F- π -13), Hong Kong, from June 3-9, 2017
- Program Committee for the SPIE Organic Photovoltaics XVIII conference, the SPIE Optics + Photonics Meeting, August 6-10, 2017.
- Co-Organizer for the “Organic Photovoltaics: material synthesis and characterization, device engineering, device physics and upscaling” Symposium, European-MRS, Strasbourg France, May 22-26, 2017
- Section Chair and Poster Judge for the 81st Prague Meeting on Macromolecules, September 10-14, 2017
- Co-Organizer for the “Organic Semiconductors - Surface, Interface, Bulk Doping and Charge Transport” Symposium, Fall 2017 MRS, Boston, November 26-December 1, 2017
- Co-Organizer for the Gordon Research Conference on “Hybrid Electronic and Photonic Materials and Phenomena”, Hong Kong, June 10-15, 2018
- Section Chair for the International Conference on Science and Technology of Synthetic Metals, Busan, Korea, July 1-6, 2018
- Program Committee for the SPIE Organic Photovoltaics XIX conference, the SPIE Optics + Photonics Meeting, August 20-24, 2018.
- Co-Organizer for the Emerging Material Technologies Summit, Hanoi, Vietnam, November 4-8, 2018
- Co-Organizer for the International Conference on Advances in Organic and Hybrid Electronic Materials (AOHM19), Dubrovnik, Croatia, March 17-20, 2019
- 2019 Section Chair for the International Conference on Advances in Organic and Hybrid Electronic Materials (AOHM19), Dubrovnik, Croatia, March 17-20, 2019
- 2019 Section Chair for the 14th Functional π -Electron Systems Conference, Berlin, Germany, June 2-7, 2019
- Program Committee for the SPIE Organic Photovoltaics XX conference, the SPIE Optics + Photonics Meeting, August 11-16, 2019.

- Co-Organizer for the “Co-Organizer for the "Organic Semiconductors - Surface, Interface, Bulk Doping and Charge Transport" Symposium, Fall 2017 MRS, Boston, November 26-December 1, 2017” Symposium, Fall 2020 MRS, Boston, November 28-December 4, 2020
- Judge for the California Alliance for Minority Participation (CAMP) Statewide Research Symposium, February 10-16, 2021 (Listening to talks and interviewing researchers)
- Co-Organizer for the Symposium on Novel Organic Semiconducting Materials for Addressing Global Challenges, Pacific Chem, Honolulu, December 15-20, 2021
- Co-Organizer for the Gordon Research Conference on “Hybrid Electronic and Photonic Materials and Phenomena”, Hong Kong, June 21-26, 2022
- Reviewing for journals: Applied Physics Letters, Journal of Applied Physics, Journal of Physical Chemistry, Journal of the American Chemical Society, Advanced Materials, Advanced Functional Materials, Advanced Energy Materials, Small, Journal of Luminescence, Dyes and Pigments, Langmuir, Chemical Reviews, Electrochemistry Communications, Macromolecules, Journal of Chemical Physics, Nano Letters, Energy & Environmental Science, Journal of Korean Physical Society, Journal of Materials Chemistry, Chemistry of Materials, Organic Electronics, Applied Materials and Interfaces, Nature Materials, Nature Communications, Nature Photonics
- Reviewing for NSF, DOE, German Research Foundation, European Research Council, Research Corporation for Science Advancement, and ACS Petroleum Research Fund.